

Hull's Plantae Oregonenses.

Panicum dichotomum, L.

Panicum scoparium Lam'

P. paniciforme Gray var. (Ell?)

P. americanum, Torr. & Gray

I have gone over this plant at intervals of several years & can't help thinking the synonymy is correct. It like P. dichotomum has a different aspect when it branches & produces a new crop. The plant of your manual is at any rate the specimen contributed by you to my herbar. is a weak form. The typical scoparium, grows in Conn. & is today's species above quoted. There is a very distinct character in the perfect flower which seems to have escaped notice. At the base of the lower palea is a distinct fold or embayment; the palea is somewhat dull & when strongly magnified is punctatulate (striate)

(ii) Stipa occidentalis, Thunb. Watson Bot. 40<sup>th</sup>  
Parallel. p. 380

(a) Alopecurus pratensis L.

A slender form like that collected in California by Bolander.

(g) Vulpia despannerata, Torr.

This has the short obtuse glumes of V. despannerata, but occasional florets have the long pointed awns of V. cuspisata. It is possible

that these two species will have to be united.

2

(n) Sporobolus cryptandrus Gray.

(l) Agrostis acutivalvis Trin  
A. Hillebrandii Thunb. in Boland. bot.

A very attenuate form & pale green form  
of this I gave the provisional name of A.  
Hillebrandii - In going it over again for  
Brewer's Report I make it A. acutivalvis  
of Trin though the panlets are not quite  
equal. Now comes this which is more like  
Trin's description as to habit but is less  
"acutivalvous". Knowing how the upper panlets  
of Agrostis will cut up (up & down) on the  
N.W. coast I don't attach much value  
to that. The very conspicuous sediment is  
the same in both.

(x) Agrostis alba L.

(b of f) Agrostis capillaris Trin - of which  
there are as many forms  
as there are specimens.

(c) A. capillaris - long. annual

(e) G. canina L.

(j) Poa stenantha Trin

P. leptocoma Trin & I think  
distinct vernon Hook as you  
suggest - I have never seen Hook's plant.  
- Trin says of florets "basi pubescens";  
while Grisebach (Hor Roriv.) "ramigine copiose"

(L.) Melica pauciflora Nutt.

A much reduced form. assuming very puzzling shapes - I am not sure but this & M. imperfecta Trin (or Panicoides Nutt) will have to be united.   
 ~~This is mixed with this a specimen with~~  
~~skunes only~~

(m) Brophvelum refractum Nels-

- quite distinct -  
I have none of Bolander's old sets &  
I do not recollect what I called Melica  
Aristata - I have no fresh melica in  
my herb & no notes on it - some smtches  
here.

Danthonia Spicata

The common California form.

Danthonia Californica Bol.

Aira latifolia Woot.

Aira glomerata Bode

A. danthonioides Trin } )

of these two you say "quite the same are they not"? I don't think I have seen any specimens which make me doubt to which one of them to refer them. The habit is so different - flowers in Danthon so much larger, the different shape & texture of the glumes, the longer, stronger & granulated awns seem to me sufficient to separate

(t) Bromus racemosus L.

(s) Bromus subulatus Griseb.

Haven not seen this before - I  
tell you two !! to mean that  
you have compared it with the  
original spec. twice?

(t (sic) & u) Both forms of

Bromus (Ceratostachys) ciliatus

Wesk. I have only a specimen  
of authentic spec. which is a  
very young one & less pubescent

(v) "What is this?"

Some delapidated Bromus -  
Probably B. brevirisulus Poek?

(e) Festuca from Guyana - I m -  
you marked this "bromoïdes" No  
two species cannot be kept apart.

(o'). Festuca microstachys Nutt

(o) do do - var ciliata

(p) do dor var clavigrus Zorn.

I think this is an European species  
may be delicatula Leyg -

(v) F. ornata L -

(X) ~~Festuca~~ ~~sep~~

"Triticum repens, slender"

So I suppose, but how can one tell  
some forms of T. repens & T. caninum  
apart without the roots?

Elymus sibiricus L.

2 forms.

(2) Hordeum filiforme (?) Nutt  
Under this is a stunted state  
of this I don't know what  
to call it.

(?) Elymus condensatus Rest  
A narrow form of this most  
variable grass.

Plant sent in letter

From. From come again in  
the shape of a very hairy Tr.  
Microstachys very much like the  
one as Bolardus no 37 - off his  
old lots.

# Halls Harbour

8/21

- 2 *Sturnus vulgaris* see 6/21
- 1 ♂ *Sitta europaea* adult
- 1 4 *Buteo swainsoni* Squatters from
- 1 5 *Falco sparverius* Sparrow Hawk
- 1 6 *P. fuscicollis* Black-headed Grosbeak
- 1 7 *Alauda arvensis* 2nd year, - blackish in plumage
- 1 8 *Halcyon smyrnensis* Crested
- 9 *Myiotheretes albiventris*
- 630 *Pyrrhula pyrrhula*
- 1 *Vipa tenuirostris* 2nd year, ♂
- 2 *Lathrotriccus euleri*
- 3 *Coracina occipitalis* 1st yr
- 4 *Oriolus chinensis* Distressed from
- 5 *Phoenicurus phoenicurus*
- 6 *Colaptes auratus* ♂
- 7 *Parus major* ♂
- 8 ♀ *Parus major* Juv.
- 9 *Chloris chloris*
- 10 *Dendrocopos leucotos* Imm.
- 11 *Spizella breweri* ♂
- 12 *Emberiza cirlus* Yellowhammer
- 13 *Sporophila frontalis*
- 14 ♂ *Accipiter cooperii* Young
- 15 *Accipiter cooperii* imm.
- 16 *Accipiter cooperii* imm.
- 17 *Accipiter cooperii* imm.
- 18 *Accipiter cooperii*
- 9 *Accipiter striatus* Imm. - Gaggle
- 10 *Accipiter striatus* imm.
- 11 *Accipiter striatus* imm.
- 12 *Accipiter striatus* imm.
- 13 *Accipiter striatus* imm.

657 2 pm near 2. Condensator Ponds

5. *Festuca reflexa* var.

6. *Filium Selysioides* Turcz. mixed with *Lycopodium*

7. *Filum* ~~Streptophyllum~~ <sup>Horsetail</sup> *reflexa* var.

8. *Phragmites communis* Schreb.

9. *Carex acutiformis*

660 4 pm In open ground - 100' N.E.

1. *Ripa multiflora* Torr. varies - 2 or 3 ft. tall 18" wide

2. *Glyceria maxima* Presl

3. *Carex sanguinosa* Linn.

4. *Luzula* sp. grass-like

- *Hedera helix* Linn. var. *Canariensis* -

- *Festuca rubra* Linn.

5. *Festuca scabriuscula* (L.) Beauvois var. *scabriuscula* -

6. *Agrostis* near *Scirpus*

7. *Scirpus heterolepis* Nutt. var. *heterolepis*

8. *Agrostis capillaris* Linn. var. *capillaris*

9. *Agrostis*

10. *Agrostis capillaris* Linn. var. *capillaris*

11. *Alisma* - 2 forms here - the other may be a var. of *Alisma*

12. *Veronica Nutt. W.H. Smith*

13. *Polygonum*

14. *Scirpus* as 660.

15. *Agrostis capillaris* Linn. var. *capillaris* -

16. *Scirpus oligosperma* 2 forms - 2 or 3 feet tall -

680 ~~between~~ *between* 2. Condensator

17. *Agrostis capillaris* Linn. var. *capillaris*

18. *Scirpus oligosperma* var. *oligosperma* - 2 or 3 ft. tall.

19. *Scirpus oligosperma* var. *oligosperma*.

20. *Scirpus*

21. *Scirpus* 1 ft. tall.